

Abstract

A spring shaft (1) for cleaning pipelines consists of a coil spring (2) with windings (3, 3a, 3b, 3c) of spring steel and with a rotation axis (RA) and a spiral winding axis (WA). In order to give the spring shaft (1) a particular cleaning function, the windings (3, 3a, 3b, 3c) have at least on their outside (4) a cross section departing from the circular shape, with at least one edge (K) acting on the pipeline. At the same time it is possible to provide the outside (4) with at least one longitudinal groove (8) following the windings (3c), or to configure the cross section of the windings (3a, 3b) as a square whose outside edge (4a) runs parallel to the rotation axis (RA) or whose surface diagonal (4b) runs radially to the rotation axis (RA). Lastly, it is possible to provide the outside (4) with a profile (5) in which projections and grooves alternate.